

Title (en)

METHOD, APPARATUS, AND EDGE NODE CONTROLLER FOR ALLOCATING EDGE NODE

Title (de)

VERFAHREN, VORRICHTUNG UND EDGE-KNOTEN-STEUERGERÄT ZUR ZUWEISUNG EINES EDGE-KNOTENS

Title (fr)

PROCÉDÉ, APPAREIL ET ORGANE DE COMMANDE DE N UDS PÉRIPHÉRIQUES POUR L'ATTRIBUTION DE N UDS PÉRIPHÉRIQUES

Publication

EP 4240041 A1 20230906 (EN)

Application

EP 23157470 A 20120409

Priority

- CN 201110197491 A 20110714
- EP 20172008 A 20120409
- EP 12792378 A 20120409
- CN 2012073653 W 20120409

Abstract (en)

Embodiments of the present invention disclose a method, an apparatus, and an edge node controller for selecting an edge node. The edge node controller receives a service request message including a subscriber identifier; obtains the subscriber identifier in the service request message; queries a first mapping relationship between the subscriber identifier and an edge node address according to the subscriber identifier, so as to obtain an edge node address corresponding to the subscriber identifier; and returns a service response message including the edge node address. According to the embodiments of the present invention, a subscriber identifier carried in a service request message is used to query a first mapping relationship, so as to obtain an edge node address, and a service response message carrying an address of an edge node selected for a subscriber is delivered, thereby reducing a processing process of identifying different edge nodes by an external server, improving the processing efficiency, and reducing the implementation complexity.

IPC 8 full level

H04W 12/08 (2021.01); **H04L 61/45** (2022.01); **H04L 65/1033** (2022.01); **H04L 65/1073** (2022.01); **H04L 61/5014** (2022.01)

CPC (source: EP US)

H04L 61/45 (2022.05 - EP US); **H04L 65/1036** (2013.01 - EP US); **H04L 65/1073** (2013.01 - EP US); **H04W 12/08** (2013.01 - EP US); **H04L 61/5014** (2022.05 - EP US)

Citation (search report)

- [XI] EP 2040431 A1 20090325 - HUAWEI TECH CO LTD [CN]
- [XI] AMIT COHEN ET AL: "Migration to Ethernet-Based DSL Aggregation", TECHNICAL REPORT TR-101, 30 April 2006 (2006-04-30), pages 1 - 101, XP055135059, Retrieved from the Internet <URL:<http://www.broadband-forum.org/technical/download/TR-101.pdf>> [retrieved on 20140818]
- [A] "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (Release 10)", 3GPP STANDARD; 3GPP TS 23.401, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. SA WG2, no. V10.4.0, 10 June 2011 (2011-06-10), pages 1 - 281, XP050552991
- [A] "Resource and admission control functions in Next Generation Networks; Y.2111 (11/08)", ITU-T STANDARD, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, no. Y.2111 (11/08), 13 November 2008 (2008-11-13), pages 1 - 176, XP017563719

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2725739 A1 20140430; EP 2725739 A4 20141231; EP 2725739 B1 20200603; CN 102882699 A 20130116; CN 102882699 B 20150729; EP 3745649 A1 20201202; EP 4240041 A1 20230906; US 10230684 B2 20190312; US 2014143428 A1 20140522; WO 2012163178 A1 20121206

DOCDB simple family (application)

EP 12792378 A 20120409; CN 201110197491 A 20110714; CN 2012073653 W 20120409; EP 20172008 A 20120409; EP 23157470 A 20120409; US 201414154430 A 20140114